


DATA CENTER

# KIO MER|1

KIO is an international company, founded in 2002, a provider of mission-critical Information Technology services that operates state-of-the-art Data Centers with the highest security, availability and density in Mexico, Colombia, Central America and the Caribbean. KIO hosts a robust and wide ecosystem of different industry sectors in the region within its Data Centers ensuring a professional, redundant, scalable and secure environment.

 20°55'54.22"N 89°40'54.22"W

**KIO MER|1** started operations in 2019, this Data Centers have **TIER II** characteristics.

Located at Calle 19 #444, Ciudad Industrial Merida, Yucatan, CP 97288

## CHARACTERISTICS



### DESIGN

Eight ATOM computer rooms with a capacity of 89 m2 in total, with a height of 2.51 m from false floor to ceiling, equipped with rails to slide the racks across the width of the container.



### ELECTRICAL CAPACITY

It has six UPS of 109 kVA, that are redundant and have sufficient capacity to provide uninterrupted and filtered power to the installed equipment. They also have an advanced battery monitoring system.



### REDUNDANCY

2N in the electrical equipment, with two emergency electrical generators of 500 kW each. They have diesel storage tanks, providing an autonomy of 4-days.



### ENERGY EFFICIENCY

KIO Green with renewable energy, which allows electrical energy savings in the cooling system, when the ambient humidity and temperature conditions are ideal, helping to achieve a PUE by design of 2.1.



### MONITORING

It has a Building Monitoring System (BMS), which monitors the efficiency and proper functioning of the entire electromechanical infrastructure of the Data Center.



### POWER SUPPLY / SERVICE DROP

One medium-voltage electrical connection of 13,200 VAC.



### NOC

Advanced operations and network monitoring center.



### QUALIFIED PERSONNEL

There are trained and qualified operating personnel 7x24x365 days a year.



### CARRIER NATURAL

Open invitation to all Carriers. The current Carriers are:

ATC	Flō Networks	Total Play
Axtel / Alestra	Telmex	

KIO also has a high-speed interconnection network among its **Data Centers**.



### SECURITY

It has double authentication security controls (proximity), with a 7x24x365 Video Surveillance system with a 90-day storage capacity. The center has received Payment Card Industry Data Security Standard (PCI) certification.

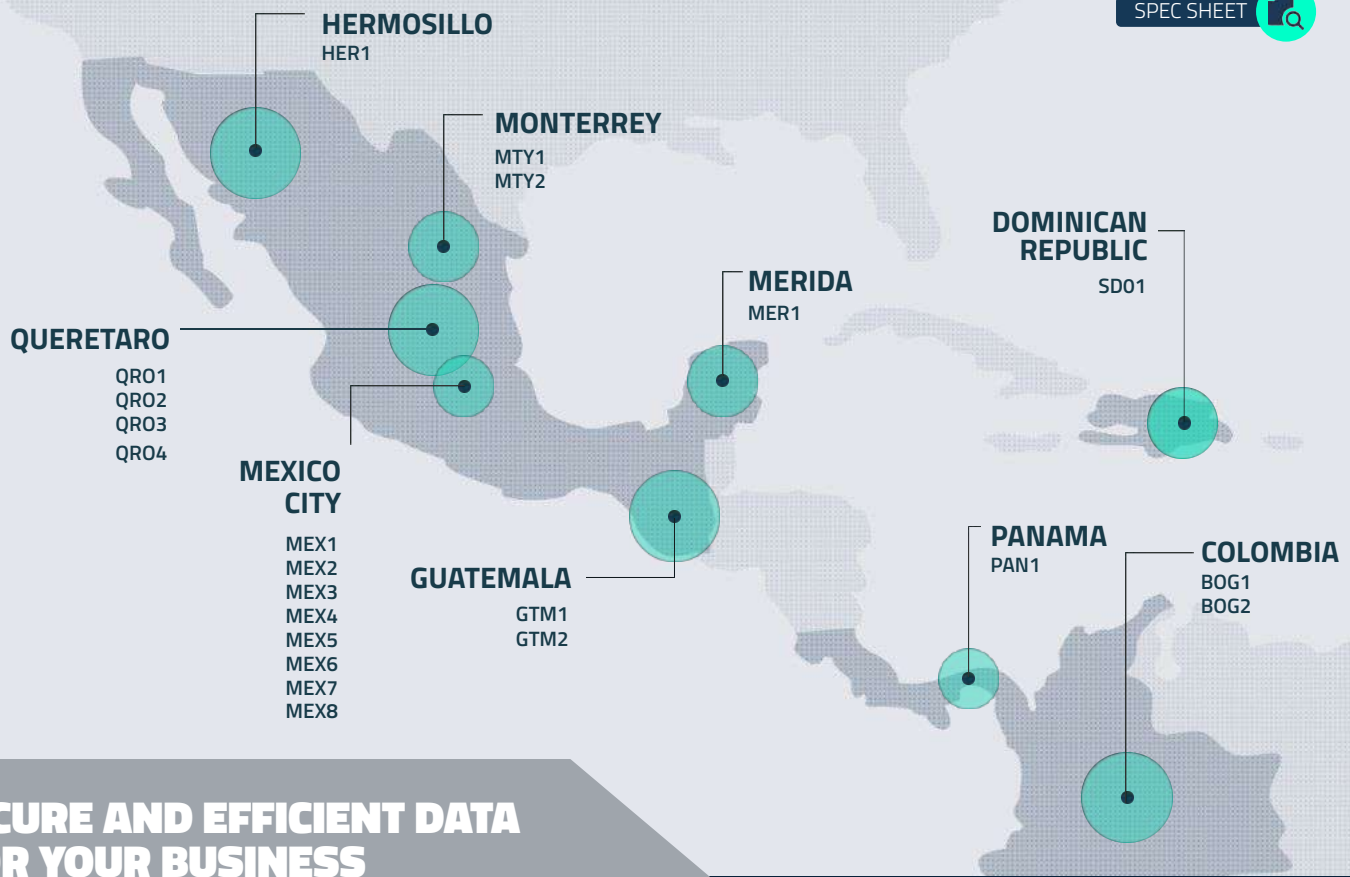


### FIRE PROTECTION

It has smoke detectors, manual stations and audiovisual alerting in all areas. It has an early fire detection system and a preaction system with double interlock.

## ELECTROMECHANICAL CHARACTERISTICS (COOLING)

Number of total units	17
Number of redundancy units	8
Cooling tons	106.5



## GLOBAL, SECURE AND EFFICIENT DATA CENTERS FOR YOUR BUSINESS

### PHYSICAL CHARACTERISTICS

+ Perimeter wall	Yes
+ Wheelchair access	Yes
+ Dedicated Data Center building	Yes
+ Distance to a police station	1.0 km (0.683 miles)
+ Distance to a fire station	1.0 km (0.683 miles)
+ ATOM MINI 1 technical floor area	11.12 m2 (119.69 sqft)
+ ATOM MINI 2 technical floor area	11.12 m2 (119.69 sqft)
+ ATOM MINI 3 technical floor area	11.12 m2 (119.69 sqft)
+ ATOM MINI 4 technical floor area	11.12 m2 (119.69 sqft)
+ ATOM MINI 5 technical floor area	11.12 m2 (119.69 sqft)
+ ATOM CORE technical floor area	21.42 m2 (230.56 sqft)
+ ATOM SPARK technical floor area	6.54 m2 (70.39 sqft)
+ MDA technical floor area	17 m2 (182.986 sqft)
+ Raised floor	6 m2 (64.58 sqft)
+ Maximum cabinet capacity	567 kg (1,200 lb)
+ Height above sea level (meters)	10 m (32.80 ft)
+ Distance to the ocean (kilometers)	45 km (75.60 miles)
+ Warehouse area	1000 m2 (10763.9 sqft)

### SECURITY

+ Access control	<b>Folding door</b>
+ Authentication factors	<b>Proximity card</b>
+ Visitor log	<b>Yes</b>
+ 7x24 Security personnel	<b>Yes</b>
+ Security cameras	<b>Yes</b>
+ Minimum DVR recording time	<b>90 days</b>
+ Fire detection	<b>VESDA</b>
+ Automatic fire extinguishing	<b>Double interlock preaction</b>

### POWER CHARACTERISTICS

+ Redundancy	2N
+ Availability	TIER II
+ Design capacity in m2	5.16 kW / IT
+ UPS capacity	219.6 kVA
+ Constant battery monitoring	Yes
+ Transformer capacity	750 kVA
+ Number of power connections	1
+ UPS autonomy time	30 minutes
+ Diesel autonomy time	4 days
+ Total diesel tank capacity	13,000 liters (3434.24 gal)
+ Number of generators	2
+ Total generator capacity	500 kW

### COMMUNICATIONS

+ Copper wiring	<b>Category 6A or higher</b>
+ Fiber wiring	<b>Single mode and multimode</b>
+ Wire covering	<b>Plenum and/or LSOH</b>
+ Space for Carriers	<b>Yes</b>
+ Site Entry	<b>Yes</b>